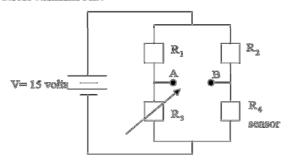
Question_5.

A sensor with a nominal resistance of 60 Ω is used in a bridge with $R_1 = R_2 = 120 \Omega$, V = 12.0 V, and R_3 is a 150 Ω potentiometer. It is necessary to resolve 0.1 Ω changes of the sensor resistance by connecting a voltmeter as null detector across terminals AB.



- Q1 At what value of r3 will the bridge be nulled?
- Q2 what voltage resolution must the voltage detector possess